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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/746,953	12/22/2000	Robert James Laferriere	GEMS:0110/YOD (15-SV-5653)	1242
68174	7590	11/27/2007	EXAMINER	
GE HEALTHCARE c/o FLETCHER YODER, PC P.O. BOX 692289 HOUSTON, TX 77269-2289			MANIWANG, JOSEPH R	
			ART UNIT	PAPER NUMBER
			2144	
			MAIL DATE	DELIVERY MODE
			11/27/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

**Office Action Summary**

Application No.

09/746,953

Applicant(s)

LAFERRIERE ET AL.

Examiner

Joseph R. Maniwang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 07 September 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-8, 11-26 and 29-40 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8, 11-26 and 29-40 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 06/11/07.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

### **DETAILED ACTION**

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

#### ***Claim Rejections - 35 USC § 102***

2. Claims 1-8, 11-26, and 29-40 are rejected under 35 U.S.C. 102(e) as being anticipated by Hickman et al. (U.S. Pat. No. 7,130,888), hereinafter referred to as Hickman.
3. Regarding claim 1, Hickman disclosed a method and system comprising generating a screen display at a controlled computer based upon a program run by the controlled computer (see column 8, lines 1-15); transmitting data representative of the screen display from the controlled computer to a controlling computer (see column 3, lines 39-43; column 8, lines 16-28, 57-60; column 10, lines 44-59; column 11, line 64 through line 8); storing the data representative of the screen display in memory at the controlling computer (see column 9, line 58 through line 10, line 12; column 11, lines 52-63); transmitting input event data representative of an input event from the controlling computer to the controlled computer (see column 3, line 45; column 6, lines 50-61; column 8, lines 60-66; column 10, lines 30-43); identifying via the controlling computer a logical block of the screen display affected by the input event at the controlled computer based upon the program and the input event data (see column 3, lines 39-43; column 8, lines 16-28, 57-60; column 10, lines 44-59; column 11, line 64 through line 8);

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transmitting data corresponding to the logical block from the controlled computer to the controlling computer (see column 3, lines 39-43; column 8, lines 16-28, 57-60; column 10, lines 44-59; column 11, line 64 through line 8); storing display data for the logical block in memory at the controlling computer (see column 9, line 58 through line 10, line 12; column 11, lines 52-63); and displaying merged data representative of the logical block and the screen display on the controlling computer (see column 3, lines 39-43; column 8, lines 16-28, 57-60; column 10, lines 44-59; column 11, line 64 through line 8).

4. Regarding claim 2, Hickman disclosed the method and system comprising the step of storing at least the data corresponding to the logical block at the controlled computer (see column 11, lines 52-63).

5. Regarding claim 3, Hickman disclosed the method and system wherein the data corresponding to the logical block includes data representative of coordinates of a perimeter of the logical block (see column 8, lines 29-56).

6. Regarding claim 4, Hickman disclosed the method and system wherein the program is resident at and is run on the controlled computer (see column 7, lines 4-16).

7. Regarding claim 5, Hickman disclosed the method and system wherein the input event includes a signal generated on an operator input device (see column 3, lines 45-46; column 5, lines 34-37; column 6, lines 38-43, 50-61; column 8, lines 60-66; column 10, lines 30-43).

8. Regarding claim 6, Hickman disclosed the method and system wherein the operator input device includes a computer mouse (see column 3, lines 45-46; column 5,

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lines 34-37; column 6, lines 38-43, 50-61; column 8, lines 60-66; column 10, lines 30-43).

9. Regarding claim 7, Hickman disclosed the method and system wherein the input event data includes a screen location of an operator selected input (see column 3, lines 45-46; column 5, lines 34-37; column 6, lines 38-43, 50-61; column 8, lines 60-66; column 10, lines 30-43).

10. Regarding claim 8, Hickman disclosed the method and system comprising executing an instruction via the controlled computer based upon the input event (see column 3, lines 45-46; column 5, lines 34-37; column 6, lines 38-43, 50-61; column 8, lines 60-66; column 9, lines 16-23; column 10, lines 30-43).

11. Regarding claim 11, Hickman disclosed a method and system comprising displaying an interface screen at a controlled computer based upon a program run by the controlled computer (see column 8, lines 1-15); transmitting screen data representative of the screen for display at a controlling computer coupled to the controlled computer via a network, wherein the screen data representative of the screen is stored in memory at the controlling computer (see column 3, lines 39-43; column 8, lines 16-28, 57-60; column 9, line 58 through line 10, line 12; column 10, lines 44-59; column 11, line 64 through line 8); transmitting input event data from the controlling computer to the controlled computer via the network (see column 3, line 45; column 6, lines 50-61; column 8, lines 60-66; column 10, lines 30-43); designating a portion of the screen at the controlled computer based upon the input event data and the program (see column 9, lines 16-23); transmitting screen data representative of the portion to the

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controlling computer to update the display at the controlling computer, wherein the screen data representative of the portion is stored in memory at the controlling computers (see column 3, lines 39-43; column 8, lines 16-28, 57-60; column 9, line 58 through line 10, line 12; column 10, lines 44-59; column 11, line 64 through line 8); and executing a command based upon the input event data (see column 9, lines 16-23).

12. Regarding claim 12, Hickman disclosed the method and system wherein the input event data includes data identifying a location of a graphical element on the screen (see column 9, lines 16-23).

13. Regarding claim 13, Hickman disclosed the method and system wherein the portion of the screen is designated based upon functionality of the portion at the location as defined by the program (see column 9, lines 16-23).

14. Regarding claim 14, Hickman disclosed the method and system wherein the portion of the screen is stored at the controlling computer by transmitting data indicative of limits of the portion from the controlled computer to the controlling computer, and capturing the portion of the screen within the limits (see column 3, lines 39-43; column 8, lines 16-28, 57-60; column 10, lines 44-59; column 11, line 64 through line 8).

15. Regarding claim 15, Hickman disclosed the method and system comprising the step of transmitting from the controlled computer to the controlling computer background data representative of a portion of a screen beneath the portion (see column 3, lines 39-43; column 8, lines 16-28, 57-60; column 10, lines 44-59; column 11, line 64 through line 8).

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16. Regarding claim 16, Hickman disclosed the method and system wherein the command includes movement of the portion, and wherein the background data is referenced to fill a section of the screen from which the portion is moved (see column 8, lines 29-56).

17. Regarding claim 17, Hickman disclosed the method and system wherein the portion includes a display window (see column 8, lines 29-56; column 9, lines 1-5).

18. Regarding claim 18, Hickman disclosed the method and system wherein the portion includes a graphical input device (see column 3, lines 45-46; column 5, lines 34-37; column 6, lines 38-43, 50-61; column 8, lines 60-66; column 10, lines 30-43).

19. Regarding claim 19, Hickman disclosed the method and system wherein the network includes the Internet (see column 3, lines 20-22).

20. Regarding claim 20, Hickman disclosed a method and system comprising displaying an interface screen at a controlled computer based upon a program run by the controlled computer (see column 8, lines 1-15); transmitting screen data representative of the screen from the controlled computer to a plurality of controlling computers for display at the controlling computers, wherein the controlling computers are coupled to the controlled computer via a network (see column 3, lines 39-43; column 8, lines 16-28, 57-60; column 10, lines 44-59; column 11, line 64 through line 8); storing the transmitted screen data representative to the screen in memory at the plurality of controlling computers (see column 9, line 58 through line 10, line 12; column 11, lines 52-63); transmitting input event data from at least one of the controlling computers to the controlled computer via the network; designated a portion of the

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screen at the controlled computer based upon the input event data and the program (see column 3, line 45; column 6, lines 50-61; column 8, lines 60-66; column 10, lines 30-43); transmitting screen data representative of the portion of the screen from the controlled computer to the controlling computers for display at the controlling computers (see column 3, lines 39-43; column 8, lines 16-28, 57-60; column 10, lines 44-59; column 11, line 64 through line 8); storing the transmitted screen data representative of the portion of the screen in memory at the controlling computers (see column 9, line 58 through line 10, line 12; column 11, lines 52-63); and executing a command based upon the input event data (see column 9, lines 16-22).

21. Regarding claim 21, Hickman disclosed the method and system wherein the input event data includes data identifying a location of a graphical element on the screen (see column 9, lines 16-23).

22. Regarding claim 22, Hickman disclosed the method and system wherein the portion of the screen is stored at the controlling computers by transmitting data indicative of limits of the portion from the controlled computer to the controlling computers, and capturing the portion of the screen within the limits (see column 8, lines 29-56).

23. Regarding claim 23, Hickman disclosed the method and system comprising the step of transmitting from the controlled computer to the controlling computers background data representative of a portion of a screen beneath the portion (see column 3, lines 39-43; column 8, lines 16-28, 57-60; column 10, lines 44-59; column 11, line 64 through line 8).



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24. Regarding claim 24, Hickman disclosed a method and system comprising a controlled computer configured to run a program and to display a user interface screen based upon the program, wherein the program is resident at and runs on the controlled computer (see column 3, lines 1-10, 29-30; column 7, lines 4-16); a controlling computer linked to the controlled computer via a network, the controlling computer receiving screen data via the network for display of the user interface screen (see column 3, lines 1-10, 30, 41-43); memory coupled to the controlling computer and configured to store portions of the interface screen identified by the controlled computer based upon input events occurring at the controlling computer and based upon the program (see column 9, line 58 through line 10, line 12; column 11, lines 52-63); wherein the controlled computer is coupled to the controlled device, and wherein instructions corresponding to the input events are executed on the controlled device (see column 3, lines 20-38; column 8, lines 16-23).

25. Regarding claim 25, Hickman disclosed the method and system wherein the controlling computer includes an input device and data representative of input events made via the input device are transmitted to the controlled computer via the network to permit identification of the portions of the interface screen (see column 3, line 45; column 6, lines 50-61; column 8, lines 60-66; column 10, lines 30-43).

26. Regarding claim 26, Hickman disclosed the method and system wherein the controlled computer includes a memory and is configured to store the portions of the interface screen in the memory (see column 5, lines 34-45; column 9, line 58 through line 10, line 12).

27. Regarding claim 29, Hickman disclosed the method and system comprising a plurality of controlling computers linked to the controlled computer via the network, each controlling computer include a memory for storing the portions of the interface screen (see column 3, lines 56-64; column 9, line 58 through line 10, line 12).

28. Regarding claim 30, Hickman disclosed the method and system wherein the controlled device comprises a medical diagnostic imaging system and the controlled computer comprises an interface of the medical diagnostic imaging system (see column 4, lines 53-65).

29. Regarding claim 31, Hickman disclosed the method and system wherein the controlled computer comprises an interface of the medical system or device (see column 4, lines 53-65).

30. Regarding claim 32, Hickman disclosed the method and system comprising remotely servicing the medical system or device via control of the controlled computer by the controlling computer (see column 3, line 65 through column 4, line 6).

31. Regarding claim 33, Hickman disclosed the method and system wherein the controlled computer comprises a workstation of a medical system or device (see column 3, lines 56-64).

32. Regarding claim 34, Hickman disclosed the method and system comprising remotely servicing a medical system or device via the controlling computer and the controlled computer (see column 3, line 65 through column 4, line 6).

33. Regarding claim 35, Hickman disclosed a method and system comprising generating a screen display at a controlled computer based upon a program run by the

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controlled computer (see column 8, lines 1-15); transmitting data representative of the screen display to a controlling computer for display at the controlling computer (see column 3, lines 39-43; column 8, lines 16-28, 57-60; column 10, lines 44-59; column 11, line 64 through line 8); storing the data representative of the screen display in memory at the controlling computer (see column 9, line 58 through line 10, line 12; column 11, lines 52-63); transmitting input event data representative of an input event from the controlling computer to the controlled computer (see column 3, line 45; column 6, lines 50-61; column 8, lines 60-66; column 10, lines 30-43); identifying a logical block of the screen display affected by the input event at the controlled computer based upon the program and the input event data (see column 3, lines 39-43; column 8, lines 16-28, 57-60; column 10, lines 44-59; column 11, line 64 through line 8); transmitting data representative of a logical block from the controlled computer to the controlling computer (see column 3, lines 39-43; column 8, lines 16-28, 57-60; column 10, lines 44-59; column 11, line 64 through line 8); storing the data representative of the logical block in memory at the controlling computer (see column 9, line 58 through line 10, line 12; column 11, lines 52-63); and updating the display at the controlling computer based on the data representative of the logical block (see column 3, lines 39-43; column 8, lines 16-28, 57-60; column 10, lines 44-59; column 11, line 64 through line 8).

34. Regarding claim 36, Hickman disclosed the method and system wherein transmitting the data representative of the screen display comprises capturing the screen at the controlled computer (see column 3, lines 39-43; column 8, lines 16-28, 57-60; column 10, lines 44-59; column 11, line 64 through line 8).

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35. Regarding claim 37, Hickman disclosed the method and system wherein the controlled computer is coupled to a machine system and configured to facilitate control of the machine system (see column 9, line 58 through line 10, line 12).

36. Regarding claims 38-40, Hickman disclosed a UNIX platform as claimed (see column 13, lines 21-39).

### ***Response to Arguments***

37. Applicant's arguments filed 09/07/07 have been fully considered but they are not persuasive.

38. Regarding claims 1-8, 11-26, and 29-37 rejected under 35 U.S.C. 102(e) as being anticipated by Hickman et al. (U.S. Pat. No. 7,130,888), Applicant asserts that Hickman does not disclose the claimed "portion of the screen" as recited in the independent claims. Applicant argues that instead, Hickman transmits the entire screen rather than just a "portion or logical block of the display", and makes no mention of reducing bandwidth by doing so. In response to applicant's argument that the references fail to show certain features of applicant's invention, it is first noted that the features upon which applicant relies (i.e., reduction of bandwidth) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). Furthermore, Examiner submits that the broad concept of sending a "portion or logical block of the display" as claimed is suggested by the prior art reference. It is first noted that the claim language presented

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does not specifically define what constitutes a "logical block of a screen display", such as only a portion of the entire screen as argued, etc. Thus, this limitation in independent claims 1 and 35 does not necessarily recite a "portion" as argued, which is further reflected in Applicant's arguments directed only to independent claims 11, 20 and 24 regarding the claimed "portion". As such, Examiner submits that transmitted screen data of Hickman acknowledged by Applicant reads on this limitation in the claims. It is further noted that the claim language does not require specifics regarding the claimed "portion", apart from its association with an input event. Examiner submits that Hickman discloses such a provision. Hickman disclosed that movement of a client computer mouse (i.e., "input event data from the controlling computer") controlled the position of a pointer on the screen of the host computer (i.e., "the screen at the controlled computer based upon the input event data"), the display then outputting on the virtual machine window of the client machine monitor (i.e., "transmitting screen data representative of the portion to the controlling computer to update the display at the controlling computer") (see column 8, line 57 through column 9, line 5). Clearly, in this system of Hickman, data representing the position of the pointer at the controlled computer inherently is sent to the controlling computer as claimed, the position data designating a "portion" of the screen affected by the input event of moving the client mouse. In fact, this aspect of Hickman precisely reads on the further limitation of the claimed "portion" as defined for example by dependent claims 12-14, which indicate that the portion is simply a "location" of the screen affected by the input event. Hickman further disclosed that typing at a client computer (i.e., "input even data from the

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controlling computer") would cause the input of characters into a window of the host computer (i.e., "a portion of the screen at the controlled computer based upon the input event data") (see column 8, line 57 through column 9, line 5). Clearly, the window of the host computer represents only a "portion" of the screen, and thus reads on the concept of transmitting a "portion" of the screen affected by the input event as claimed.

### ***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph R. Maniwang whose telephone number is (571) 272-3928. The examiner can normally be reached on Mon-Fri 8:00-4:30.

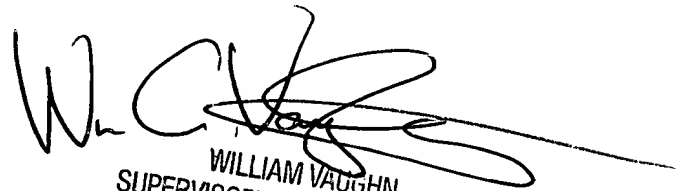
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William C. Vaughn can be reached on (571) 272-3922. The fax phone

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number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JM

  
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